# CS306 Project Step 2 – Hospital Database

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CREATE TABLE Doctors

(DocID: CHAR(20),

Name: CHAR(20),

Age: INTEGER,

Specialization: CHAR(40)

PRIMARY KEY(DocID))

CREATE TABLE Patients

(PatID: CHAR(20),

Name: CHAR(20),

Age: INTEGER,

Diagnosis: CHAR(40)

PRIMARY KEY(PatID))

CREATE TABLE Rooms

(RoomID: CHAR(20),

Category: CHAR(20),

Vacancy: BOOL

PRIMARY KEY(RoomID))

CREATE TABLE Medicines

(MedID: CHAR(20),

Name: CHAR(20),

Price: INTEGER

Inventory: INTEGER

PRIMARY KEY(MedID))

CREATE TABLE Nurses

(NurseID: CHAR(20),

Name: CHAR(20),

Salary: INTEGER

Age: INTEGER

PRIMARY KEY(NurseID))

CREATE TABLE Assigned

(NurseID: CHAR(20),

RoomID: CHAR(20),

PRIMARY KEY(NurseID, RoomID),

FOREIGN KEY(NurseID)

REFERENCES Nurses,

FOREIGN KEY(RoomID)

REFERENCES Rooms)

CREATE TABLE Assigns

(PatID: CHAR(20),

RoomID: CHAR(20),

DocID: CHAR(20),

PRIMARY KEY(PatID, RoomID,DocID),

FOREIGN KEY(PatID)

REFERENCES Patients,

FOREIGN KEY(RoomID)

REFERENCES Rooms,

FOREIGN KEY(DocID)

REFERENCES Doctors)

CREATE TABLE Treats

(DocID: CHAR(20),

PatID: CHAR(20),

PRIMARY KEY(DocID, PatID),

FOREIGN KEY(DocID)

REFERENCES Doctors,

FOREIGN KEY(PatID)

REFERENCES Patients)

CREATE TABLE Prescribes

(PatID: CHAR(20),

MedID: CHAR(20),

DocID: CHAR(20),

PRIMARY KEY(PatID, MedID,DocID),

FOREIGN KEY(PatID)

REFERENCES Patients,

FOREIGN KEY(MedID)

REFERENCES Medicines,

FOREIGN KEY(DocID)

REFERENCES Doctors)

Diagram

Description automatically generated